

# Claims

- [c1] 1. A band drive system for turning about an axis of revolution astronomical telescopes, light detection and ranging systems, and other instruments comprising: a larger disk being coaxial with said axis of revolution; a smaller disk of lesser diameter than said larger disk, mounted adjacent to and in the same plane as said larger disk with the axes of both said disks being parallel, and spaced apart from said larger disk so as to avoid direct physical contact; a thin stainless steel band encircling both said disks for the purpose of providing for the transfer of motion from said smaller disk to said larger disk.
- [c2] 2. A band drive system employing multiple application of said system, wherein said smaller disk of the primary application is both driven and connected in coaxial fashion to the larger disk of the secondary application, with any additional application being connected to the previous application in similar coaxial fashion, for the purpose of providing additional benefit from said system.